

GENERAL NOTES

1. PRESSURE VESSEL DESIGN CONDITIONS  
DESIGN PRESSURE: 100 PSIG  
SERVICE TEMPURATURE RANGE: 33°F–95°F  
FLUID: RANGES FROM FRESH WATER TO SEA WATER WITH  
UP TO 60,000 MG/LITER TOTAL DISSOLVED SOLIDS.
2. HYDROTEST AT 150 PSIG FOR 30 MINUTES. INSPECT ALL JOINTS AND CONNECTIONS FOR DEFECTS UNDER PRESSURE. THERE SHALL BE NO VISIBLE LEAKS OR WEEPING.
3. NO CODE STAMP REQUIRED PER ASME BOILER PRESSURE AND VESSEL CODE, SECTION VIII, DIVISION 1, U–1(c)(2)(f).
4. ALL STEEL SHALL BE DUPLEX STAINLESS STEEL, UNS S32205, AND SHALL CONFORM TO ASTM SPECIFICATION A240 (PLATE/SHEET/STRIP), A276/A479 (BAR), A790/A928 (PIPE), A789 (TUBING), A815 (FITTINGS), A923 (TESTING) OF MOST RECENT ISSUE UNLESS NOTED OTHERWISE, UNS S31803 IS NOT AN ACCEPTABLE SUBSTITUTE FOR UNS S32205.
5. ALL MATERIAL CERTIFICATIONS (CERTS) SHALL BE PROVIDED.
6. ALL PIPING TO BE SEAMLESS.
7. SHOP PREPARATION SHALL SEPARATE DUPLEX STAINLESS STEEL AND CARBON STEEL FABRICATION. AVOID AT ALL TIMES THE CONTAMINATION OF DUPLEX STAINLESS STEEL WITH CARBON STEEL OR OTHER IMPURITIES, ESPECIALLY DURING LIFTING AND MOVING WITH FORKLIFTS. DO NOT MIX HAND TOOLS, GRINDING WHEELS, ETC. BETWEEN DUPLEX STAINLESS STEEL AND CARBON STEEL FABRICATION.
8. WELDING NOTES

A. WELDING FOR STRUCTURAL STEEL SHALL CONFORM TO THE FOLLOWING STRUCTURAL WELDING CODES, AWS D1.1, AWS D1.6, AWS D10.11, AND AWS D10.18 OF LATEST EDITION.

B. USE A FILLER METAL THAT CONFORMS TO SPECIFICATION AWS A5.4 E 2209–XX, AWS A5.9 ER 2209, AWS A5.22 E 2209TO–X. ALL FLUX SHALL BE DESIGNED FOR DUPLEX STAINLESS STEEL.

C. PRIOR TO WELDING, ALL BURRS SHALL BE REMOVED TO ALLOW FOR COMPLETE FUSION, JOINT SURFACES SHALL BE DEGREASED AND FREE FROM ANY FORM OF CONTAMINATION. THE ROOT SIDE AND FACE SIDE OF THE BASE MATERIAL SHALL BE CLEANED A MINIMUM OF 2” BACK ON EITHER SIDE OF THE JOINT WITH A STAINLESS STEEL WIRE BRUSH OR SANDING DISK AND THEN WIPE CLEAN WITH A CLEANING SOLVENT SUCH AS ACETONE OR MINERAL SPIRITS.

D. SEQUENCE OF WELDING SHALL BE SUCH AS TO MINIMIZE THE RESIDUAL STRESSES IN THE STEEL.

E. WELDING JOINTS SHOULD BE PREPARED WITH THE ATTENSION TO SURFACE PREPARATION, EDGE PREPARATION, ALIGNMENT, AND ROOT PASS SPECING. NO TACK WELDS SHALL BE USED AT THE STARTING POINT OF THE ACTUAL ROOT PASS WELD.

F. ALL GROOVE WELDS MUST HAVE THROUGH PENETRATION AND ABSOLUTE FUSION.

G. DURING WELDING, EXCESSIVE WEAVING AND WIDE MOLTEN POOLS SHALL BE AVOIDED TO PREVENT EXCESSIVE HIGH HEAT INPUT AND HIGH STRESSES. EXTREAMLY LOW HEAT INPUTS WITH RAPID QUENCHING SHALL BE AVOIDED TO PREVENT PREDOMINANTLY FERRITIC HEAT–AFFECTED ZONES. THE WELDING ARC SHALL NOT BE STRUCK OUSIDE OF THE WELDING BEVEL OR JOINT.

H. AFTER WELDING, ALL SLAG, WELD SPLATTER, AND OXIDES SHALL BE REMOVED. MECHANICAL CLEANING WITH STEEL BRUSHES OR AN ABRASIVE BLASTING MEDIUM CAPABLE OF TRANSFERRING IRON SHALL BE AVOIDED.

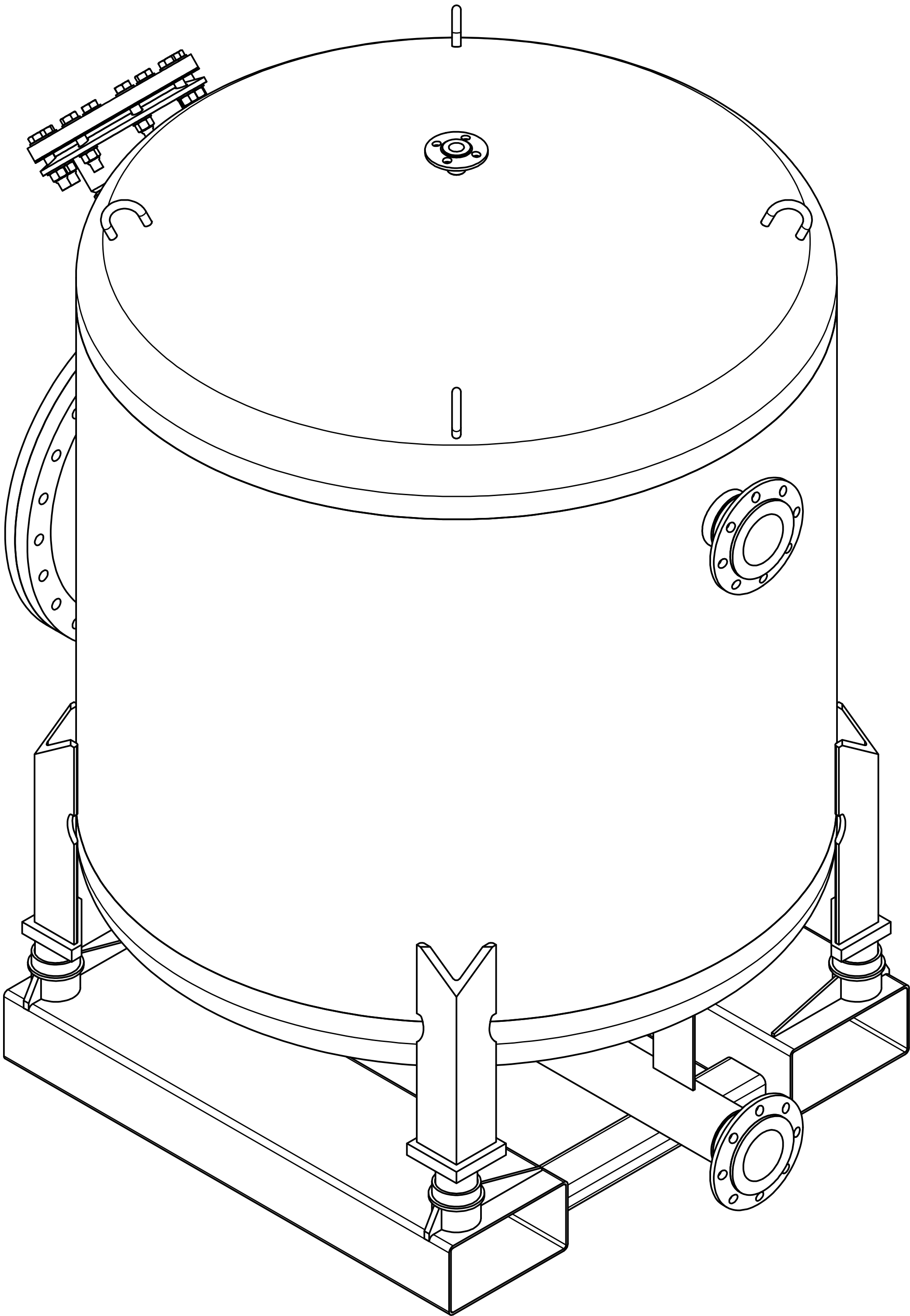
I. AUSTENITIC FILLER METALS CAN BE USED FOR DISSIMILAR METAL WELDS OF DUPLEX STAINLESS STEEL TO AUSTENITIC GRADES.

J. THE FERRITE CONTENT OF ALL ACCESSIBLE COMPLETED PRODUCTION WELDS ON THE WELD DEPOSIT ONLY SHALL BE CHECKED USING A FERRITESCOPE. A MINIMUM OF THREE TESTS SHALL BE MADE ON EACH 5 FEET OF WELD. THE AVERAGE VALUE OF THE FERRITESCOPE READINGS ON EACH WELD SHALL BE 25% TO 65%. FERRITE CONTENT LIMITS SHALL BE:  
– IN THE WELD DEPOSIT, 25% TO 60%.

K. PRIOR TO FABRICATION, PROVIDE A DETAILED WELDING PROCEDURE SPECIFICATION TO PROGRAM MANAGER AND LEAD DESIGN ENGINEER. A REPORT OF THE WELDING PROCESS USED. INCLUDING THE PROCESS CONDITIONS, SHALL BE SUPPLIED WITH THE DELIVERY OF THE FINISHED PRODUCT.
9. CLEAN, PICKLE, AND PASSIVATE THE VESSEL INTERIOR AND EXTERIOR IN ACCORDANCE WITH ASTM A380. FOLLOWING CLEANING, ACID PICKLING SHALL BE PERFORMED USING A SOLUTION OF NITRIC AND HYDROFLORIC ACIDS CODE B IN TABLE A1.1 ASTM A380. PASSIVATION SHALL BE PERFORMED USING A NITRIC ACID SOLUTION CODE F TABLE 2.1, ASTM A380. QUALITY TEST AND ACCEPTANCE CRITERIA USING COPPER SULFATE TEST PER ASTM A967. PRIOR TO CONDUCTING THE CLEANING, PICKLING, AND PASSIVATION PROCEDURES PROVIDE A DETAILED PROCESS SPECIFICATION TO PROGRAM MANAGER AND LEAD DESIGN ENGINEER FOR APPROVAL. A REPORT OF THE PROCESS AND TESTS USED, INCLUDING THE PROCESS CONDITIONS,CONCENTRATION, TEMPERATURE AND TIME SHALL BE SUPPLIED WITH THE DELIVERY OF THE FINISHED PRODUCT.
10. REMOVE ALL ROUGH EDGES AND CORNERS ON ALL STEEL.
11. THE APPROXIMATE WEIGHT OF THE PRESSURE VESSEL IS 1900 LBS.
12. ON SITE INSPECTION FOR COMPLIANCE WITH ALL REQUIREMENTS IN THE DRAWINGS WILL BE PERFORMED BY A GOVERNMENT REPRESENTATIVE BEFORE SHIPMENT.

ABBREVIATIONS

AR: AS REQUIRED  
PV: PRESSURE VESSEL  
SST: STAINLESS STEEL  
UNO: UNLESS NOTED OTHERWISE  
W.P.: WORKING POINT

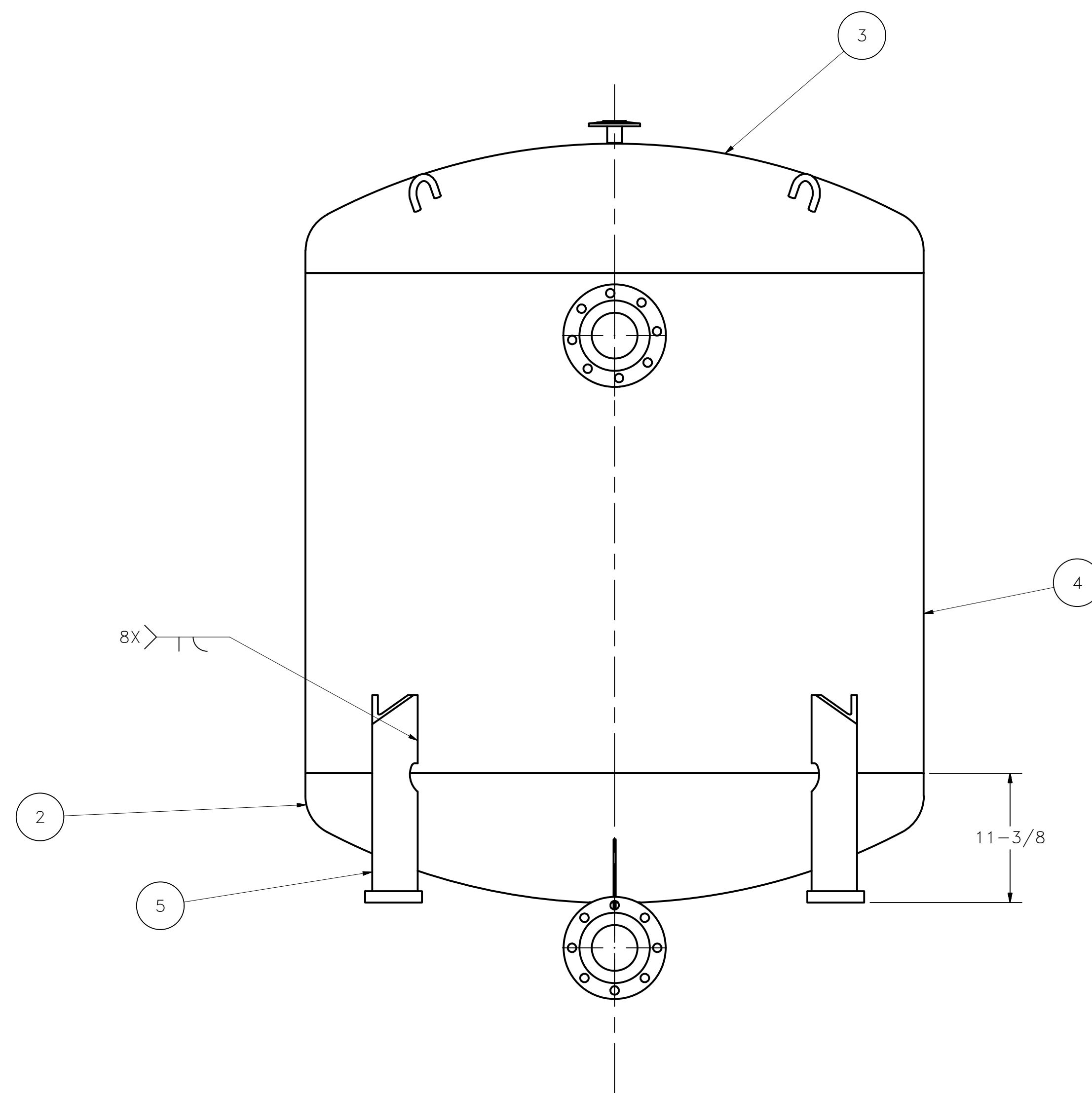
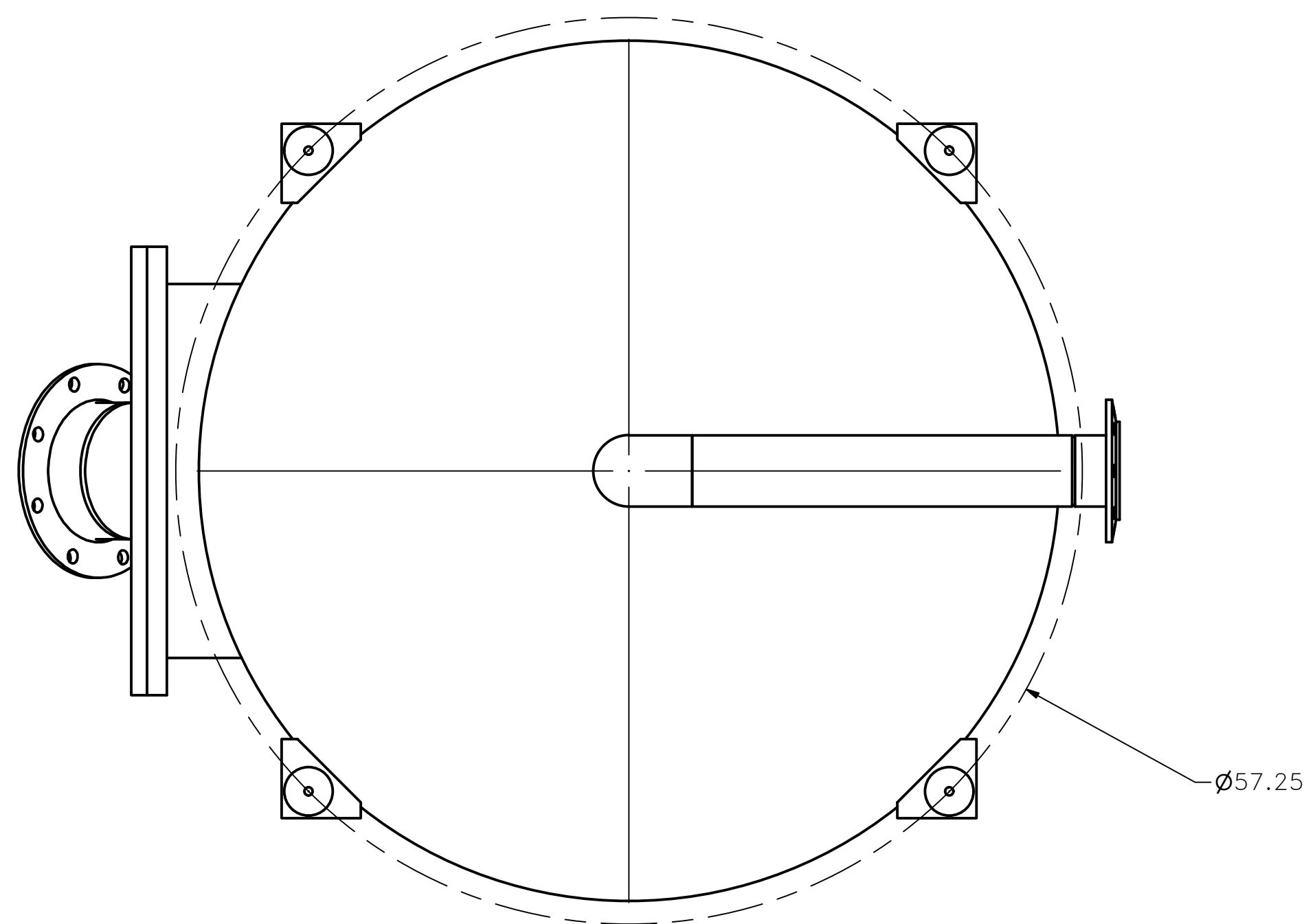
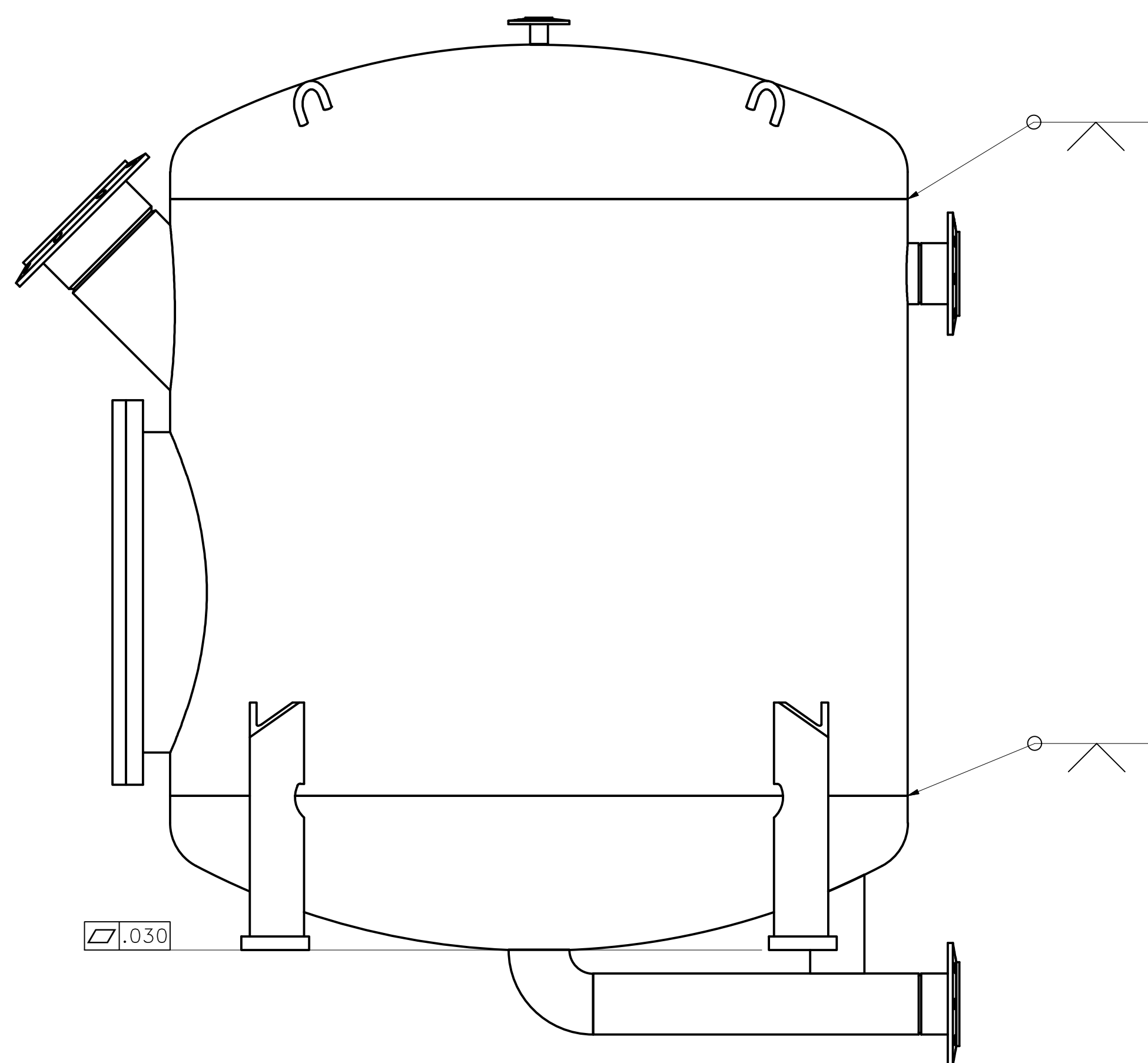
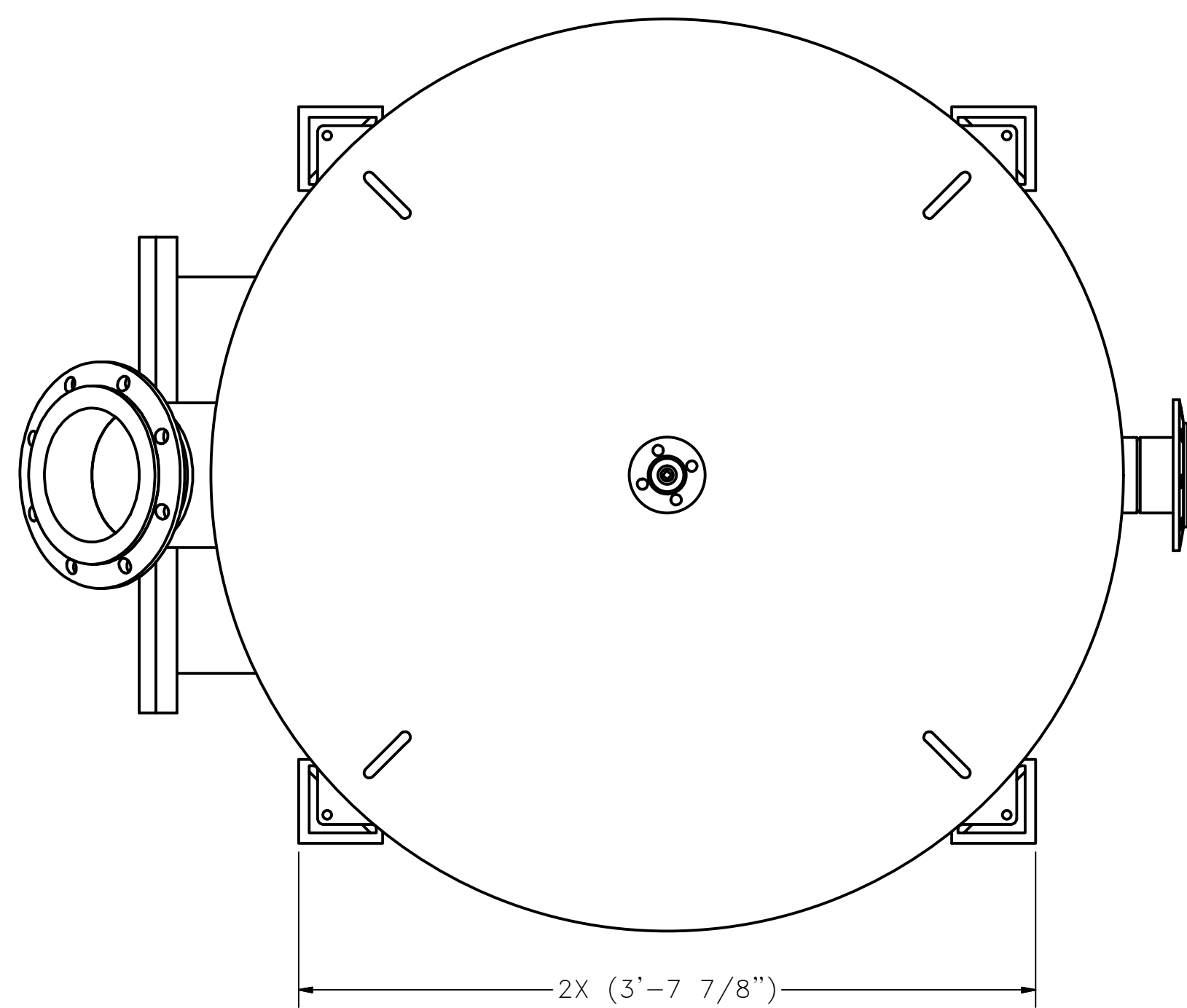


54" I.D. PRESSURE VESSEL, ISOMETRIC VIEW  
FOR REFERENCE ONLY

			UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN FEET AND/OR INCHES		PROJ. NO.		REVISIONS	
			TOLERANCES:		NFESC DWG. NO. 20161601		SYM DESCRIPTION DATE APPROVAL	
			.X DECIMALS ±.03		YES: DRAWN			
			.XX DECIMALS ±.01		CHECKED: PROJ			
			.XXX DECIMALS ±.005		MANUAL HEAD-SET IMAGE			
			FRACTIONS ±1/8		BY: DR. M. TAYLOR			
			ANGLES ±1°		SATISFACTORY FOR			
					APPROVED: DATE		SIZE CODE IDENT NO. NAVFAC DRAWING NO.	
					COMMANNDING OFFICER DATE		F 80091	
					APPROVED: DATE		CONSTRUCTION CONTRACT NO.	
					FOR: COMMANDER, SHIPBOARD		SCALE: NONE	
							SHEET 1 OF 10	



REVISIONS			
SYM	DESCRIPTION	DATE	APPROVAL



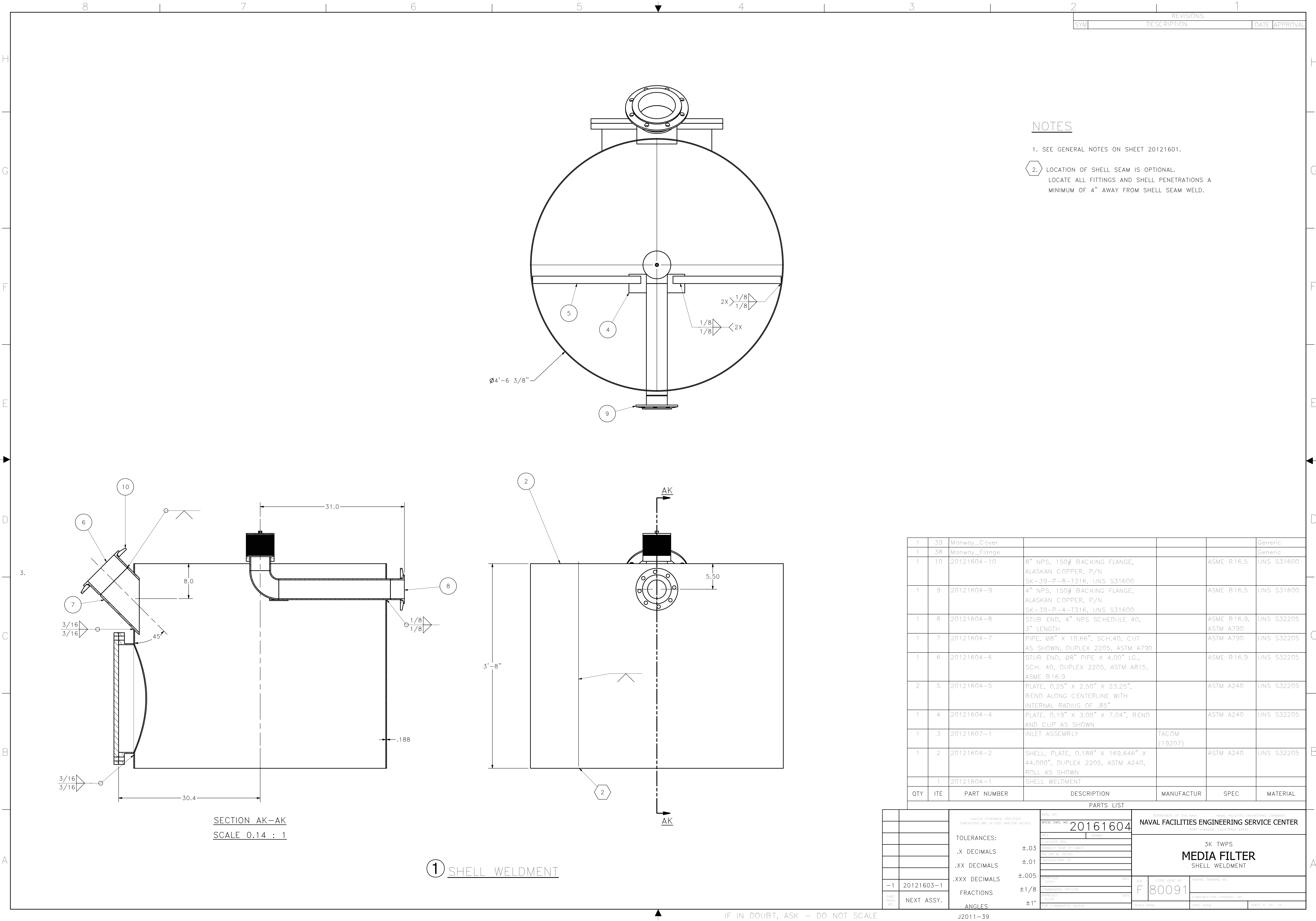
## ① MEDIA CHAMBER WELDMENT

## NOTES

1. SEE GENERAL NOTES ON SHEET  
20121601.

4	5	20121610-1	LEG ASSEMBLY			
1	4	20121604-1	SHELL, WELDMENT			
1	3	20121605-1	HEAD, TOP, WELDMENT			
1	2	20121606-1	HEAD, BOTTOM, WELDMENT			
	1	20121603-1	MEDIA CHAMBER WELDMENT			
QTY	ITE	PART NUMBER	DESCRIPTION	MANUFACTUR	SPEC	MATERIAL

[illegible]

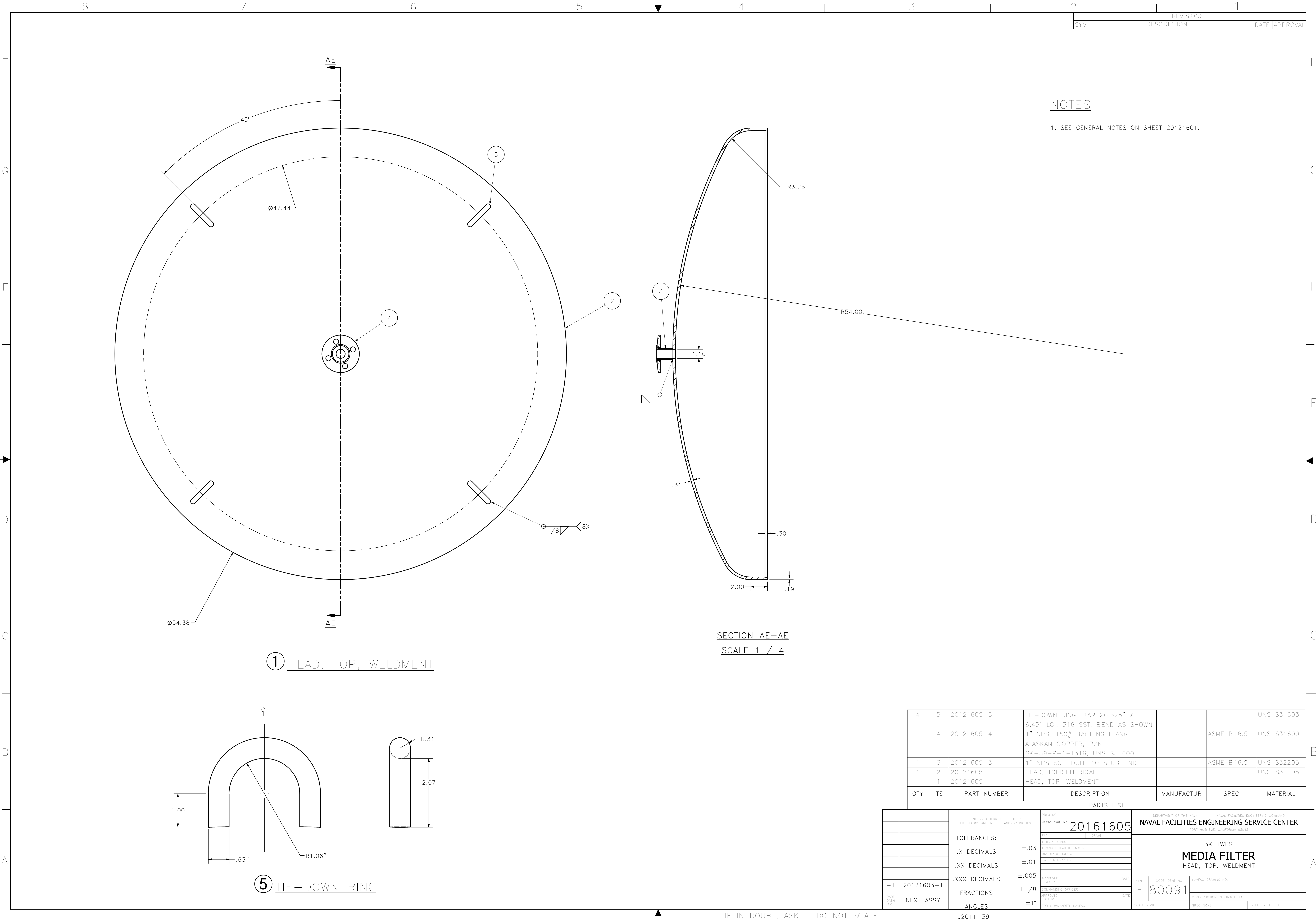


NOTES

1. SEE GENERAL NOTES ON SHEET 20121601.
2. LOCATION OF SHELL SEAM IS OPTIONAL.  
LOCATE ALL FITTINGS AND SHELL PENETRATIONS A  
MINIMUM OF 4" AWAY FROM SHELL SEAM WELD.

1	39	Manway_Cover				Generic
1	38	Manway_Flange				Generic
1	10	20121604-10	8" NPS, 150# BACKING FLANGE, ALASKAN COPPER, P/N SK-39-P-8-T316, UNS S31600		ASME B16.5	UNS S31600
1	9	20121604-9	4" NPS, 150# BACKING FLANGE, ALASKAN COPPER, P/N SK-39-P-4-T316, UNS S31600		ASME B16.5	UNS S31600
1	8	20121604-8	STUB END, 4" NPS SCHEDULE 40, 3" LENGTH		ASME B16.9, ASTM A790	UNS S32205
1	7	20121604-7	PIPE, Ø8" X 10.66", SCH.40, CUT AS SHOWN, DUPLEX 2205, ASTM A790		ASTM A790	UNS S32205
1	6	20121604-6	STUB END, Ø8" PIPE X 4.00" LG., SCH. 40, DUPLEX 2205, ASTM A815, ASME B16.9		ASME B16.9	UNS S32205
2	5	20121604-5	PLATE, 0.25" X 2.50" X 23.25", BEND ALONG CENTERLINE WITH INTERNAL RADIUS OF .85"		ASTM A240	UNS S32205
1	4	20121604-4	PLATE, 0.19" X 3.00" X 7.04", BEND AND CLIP AS SHOWN		ASTM A240	UNS S32205
1	3	20121607-1	INLET ASSEMBLY	TACOM (19207)		
1	2	20121604-2	SHELL, PLATE, 0.188" X 169.646" X 44.000", DUPLEX 2205, ASTM A240, ROLL AS SHOWN		ASTM A240	UNS S32205
	1	20121604-1	SHELL WELDMENT			
QTY	ITE	PART NUMBER	DESCRIPTION	MANUFACTUR	SPEC	MATERIAL

		UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN FEET AND/OR INCHES	PROJ. NO.		REVISIONS	
			WESCO DWG. NO.		SYM	
			20161604		NAVAL FACILITIES ENGINEERING SERVICE CENTER	
			DATE		DATE	
			CHECKED BY		DATE	
		TOLERANCES:  .X DECIMALS  .XX DECIMALS  .XXX DECIMALS  FRACTIONS  ANGLES	±.03		3K TWPS	
			±.01		MEDIA FILTER	
			±.005		SHELL WELDMENT	
			±1/8			
			±1°			
-1	20121603-1		APPROVED BY	DATE	SIZE	COMP. GROUP NO.
			COMMANDING OFFICER		F	80091
			FOR EXAMINATION, SHOWN	DATE		
NEXT ASSY.			CONSTRUCTION CONTRACT NO.			
			SCALE NAME		SHEET #	
			SHEET #		OF 10	



NOTES

1. SEE GENERAL NOTES ON SHEET 20121601.

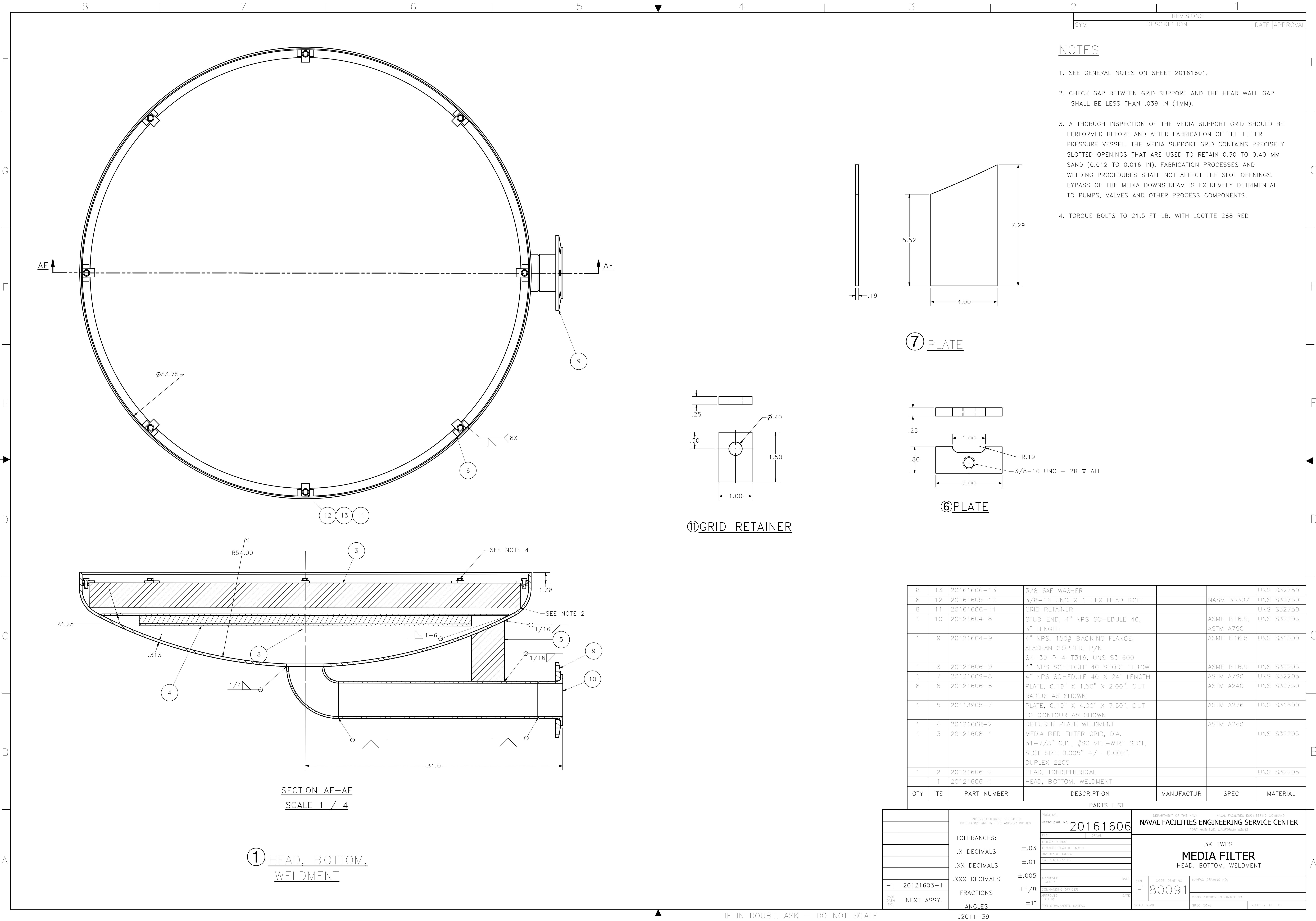
1 HEAD, TOP, WELDMENT

SECTION AE-AE  
SCALE 1 / 4

5 TIE-DOWN RING

4	5	20121605-5	TIE-DOWN RING, BAR Ø0.625" X 6.45" LG., 316 SST, BEND AS SHOWN			UNS S31603
1	4	20121605-4	1" NPS, 150# BACKING FLANGE, ALASKAN COPPER, P/N SK-39-P-1-T316, UNS S31600		ASME B16.5	UNS S31600
1	3	20121605-3	1" NPS SCHEDULE 10 STUB END		ASME B16.9	UNS S32205
1	2	20121605-2	HEAD, TORISPHERICAL			UNS S32205
1	1	20121605-1	HEAD, TOP, WELDMENT			
QTY	ITE	PART NUMBER	DESCRIPTION	MANUFACTUR	SPEC	MATERIAL

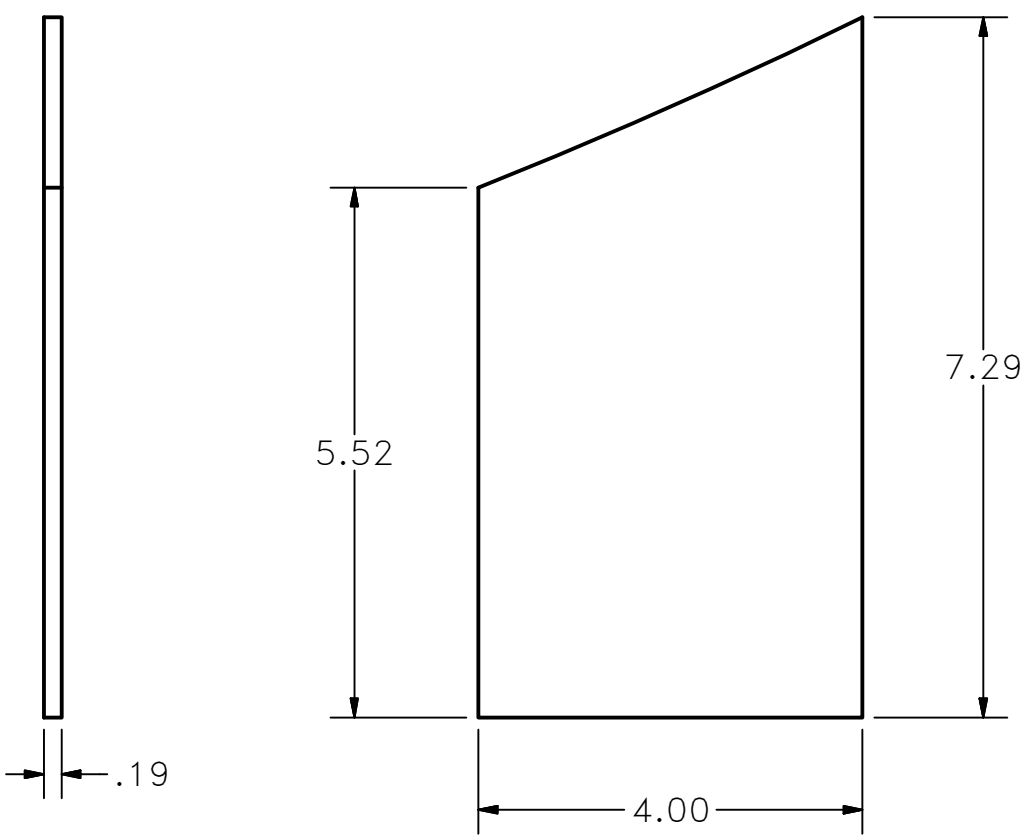
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		WFSC DWG. NO. 20161605		SYM DESCRIPTION DATE APPROVAL	
UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN FEET AND/OR INCHES		DESIGNED BY		CHECKED BY	
TOLERANCES:		DATE		SIZE	
.X DECIMALS ±.03		APPROVED BY		CODE IDENT NO.	
.XX DECIMALS ±.01		DRAWING HEAD (SEE IMAGE)		NAVFAC DRAWING NO.	
.XXX DECIMALS ±.005		BY (SEE IMAGE)		F 80091	
FRACTIONS ±1/8		MANUFACTURING OFFICER		CONSTRUCTION CONTRACT NO.	
ANGLES ±1°		APPROVED BY		SCALE NONE	
PART DASH NO.		DATE		SHEET 5 OF 10	
NEXT ASSY.		FOR COMMENTS, SEE:		SHEET 5 OF 10	



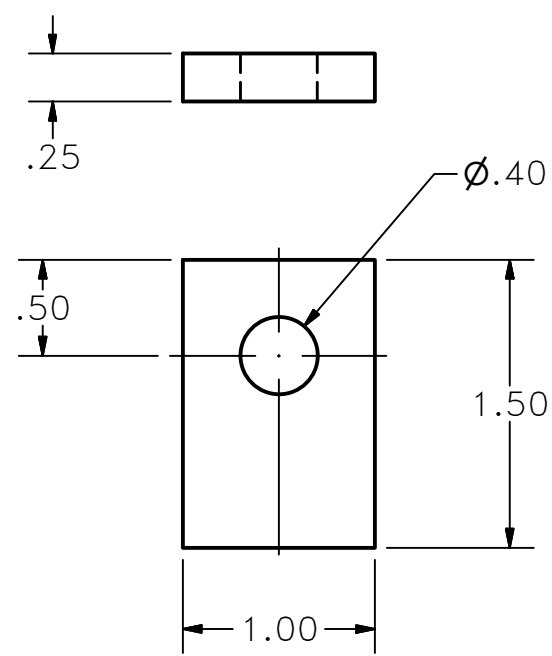
REVISIONS			
SYM	DESCRIPTION	DATE	APPROVAL

NOTES

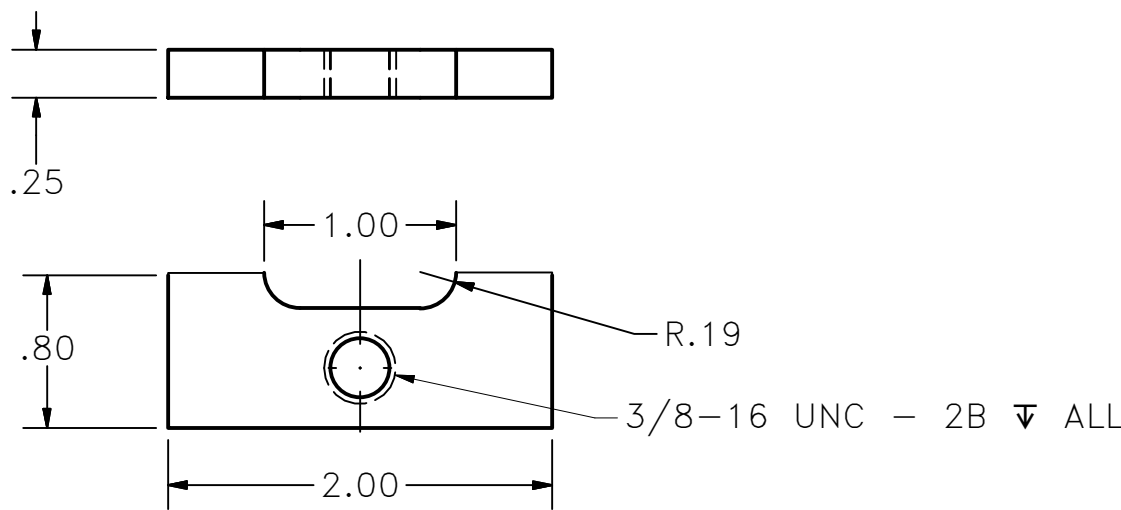
- SEE GENERAL NOTES ON SHEET 20161601.
- CHECK GAP BETWEEN GRID SUPPORT AND THE HEAD WALL GAP SHALL BE LESS THAN .039 IN (1MM).
- A THOROUGH INSPECTION OF THE MEDIA SUPPORT GRID SHOULD BE PERFORMED BEFORE AND AFTER FABRICATION OF THE FILTER PRESSURE VESSEL. THE MEDIA SUPPORT GRID CONTAINS PRECISELY SLOTTED OPENINGS THAT ARE USED TO RETAIN 0.30 TO 0.40 MM SAND (0.012 TO 0.016 IN). FABRICATION PROCESSES AND WELDING PROCEDURES SHALL NOT AFFECT THE SLOT OPENINGS. BYPASS OF THE MEDIA DOWNSTREAM IS EXTREMELY DETRIMENTAL TO PUMPS, VALVES AND OTHER PROCESS COMPONENTS.
- TORQUE BOLTS TO 21.5 FT-LB. WITH LOCTITE 268 RED



7 PLATE



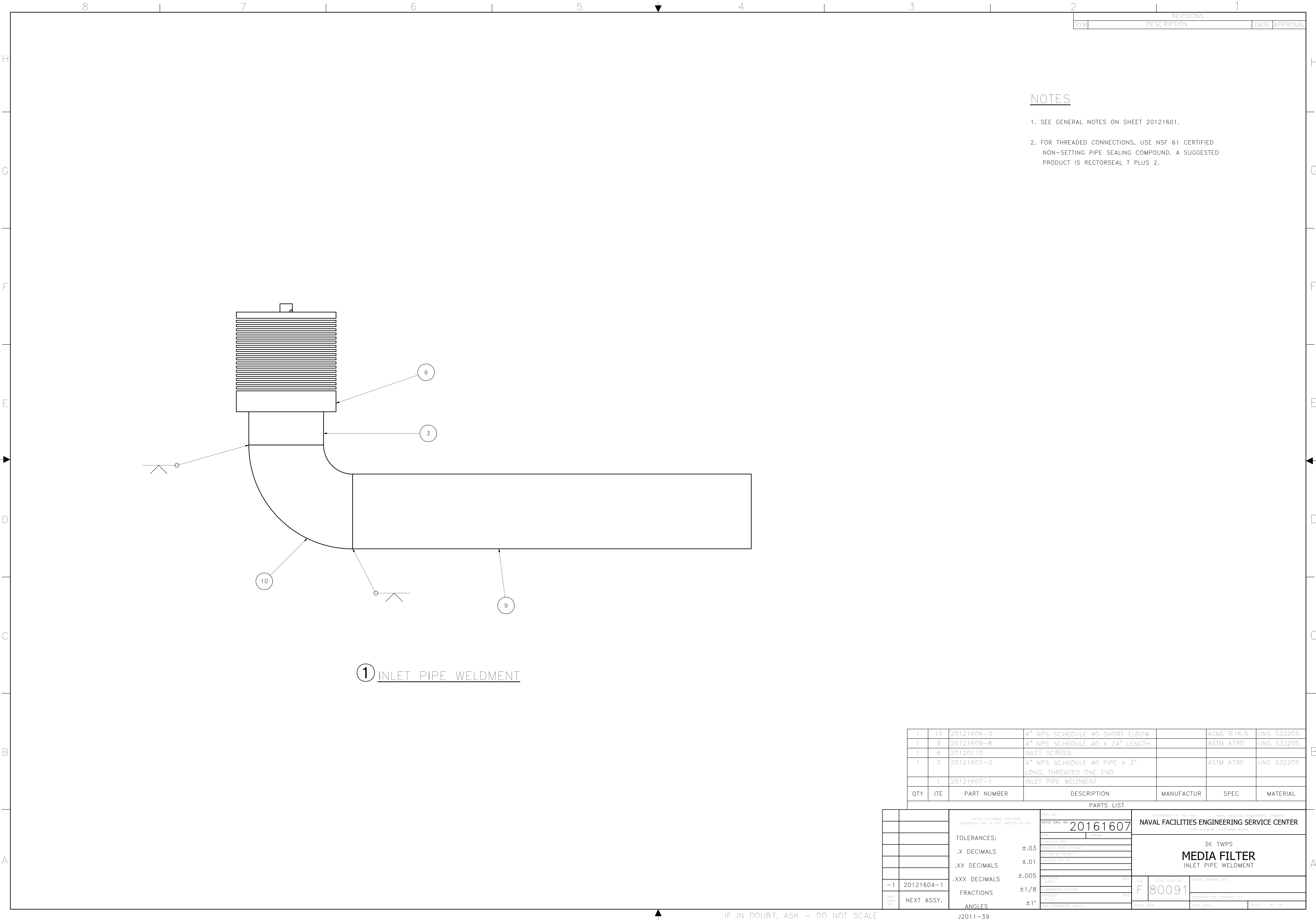
11 GRID RETAINER



6 PLATE

8	13	20161606-13	3/8 SAE WASHER			UNS S32750
8	12	20161605-12	3/8-16 UNC X 1 HEX HEAD BOLT		NASM 35307	UNS S32750
8	11	20161606-11	GRID RETAINER			UNS S32750
1	10	20121604-8	STUB END, 4" NPS SCHEDULE 40, 3" LENGTH		ASME B16.9, ASTM A790	UNS S32205
1	9	20121604-9	4" NPS, 150# BACKING FLANGE, ALASKAN COPPER, P/N SK-39-P-4-T316, UNS S31600		ASME B16.5	UNS S31600
1	8	20121606-9	4" NPS SCHEDULE 40 SHORT ELBOW		ASME B16.9	UNS S32205
1	7	20121609-8	4" NPS SCHEDULE 40 X 24" LENGTH		ASTM A790	UNS S32205
8	6	20121606-6	PLATE, 0.19" X 1.50" X 2.00", CUT RADIUS AS SHOWN		ASTM A240	UNS S32750
1	5	20113905-7	PLATE, 0.19" X 4.00" X 7.50", CUT TO CONTOUR AS SHOWN		ASTM A276	UNS S31600
1	4	20121608-2	DIFFUSER PLATE WELDMENT		ASTM A240	
1	3	20121608-1	MEDIA BED FILTER GRID, DIA. 51-7/8" O.D., #90 VEE-WIRE SLOT, SLOT SIZE 0.005" +/- 0.002", DUPLEX 2205			UNS S32205
1	2	20121606-2	HEAD, TORISPHERICAL			UNS S32205
	1	20121606-1	HEAD, BOTTOM, WELDMENT			
QTY	ITE	PART NUMBER	DESCRIPTION	MANUFACTUR	SPEC	MATERIAL

		PARTS LIST		REVISIONS	
		PROJ. NO.		REV.	
		WFSC DWG. NO. 20161606		DATE	
		TOLERANCES:		BY	
		.X DECIMALS ±.03		CHECKED BY	
		.XX DECIMALS ±.01		DRAWING HEAD FOR IMAGE	
		.XXX DECIMALS ±.005		BY (P/N & TOLER)	
		FRACTIONS ±1/8		SAFETY FACTOR 1.0	
		ANGLES ±1°		APPROVED	
		NEXT ASSY.		DATE	
				FOR EXAMINER, SIGNATURE	
				SCALE 1:1	
				SHEET 1 OF 10	



1 INLET PIPE WELDMENT

NOTES

- 1. SEE GENERAL NOTES ON SHEET 20121601.
- 2. FOR THREADED CONNECTIONS, USE NSF 61 CERTIFIED NON-SETTING PIPE SEALING COMPOUND. A SUGGESTED PRODUCT IS RECTORSEAL T PLUS 2.

1	10	20121606-9	4" NPS SCHEDULE 40 SHORT ELBOW		ASME B16.9	UNS S32205
1	9	20121609-8	4" NPS SCHEDULE 40 X 24" LENGTH		ASTM A790	UNS S32205
1	6	20120110	INLET SCREEN			
1	3	20121607-3	4" NPS SCHEDULE 40 PIPE X 3" LONG, THREADED ONE END		ASTM A790	UNS S32205
	1	20121607-1	INLET PIPE WELDMENT			
QTY	ITE	PART NUMBER	DESCRIPTION	MANUFACTUR	SPEC	MATERIAL

		UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN FEET AND/OR INCHES		PROJ. NO.		REVISIONS	
		TOLERANCES:		NFSC DWG. NO. 20161607		NAVAL FACILITIES ENGINEERING SERVICE CENTER	
		.X DECIMALS ±.03		YES: DRAWN		PORT HUENEME, CALIFORNIA 93045	
		.XX DECIMALS ±.01		CHECKED: PPD		3K TWPS	
		.XXX DECIMALS ±.005		DIMENSIONAL HEAD SET IMAGE		MEDIA FILTER	
		FRACTIONS ±1/8		DIM. OR. N. TOL. 0.005		INLET PIPE WELDMENT	
		ANGLES ±1°		SAFETY FACTOR 1.0			
-1		20121604-1		APPROVED: [Signature] DATE		SIZE F	CODE IDENT NO. 80091
PART DASH NO.		NEXT ASSY.		COMMANDING OFFICER		NAVFAC DRAWING NO.	
				APPROVED: [Signature] DATE		CONSTRUCTION CONTRACT NO.	
				FOR COMMANDER, SHIPAC		SCALE NONE	
						SHEET 2 OF 10	



NOTES

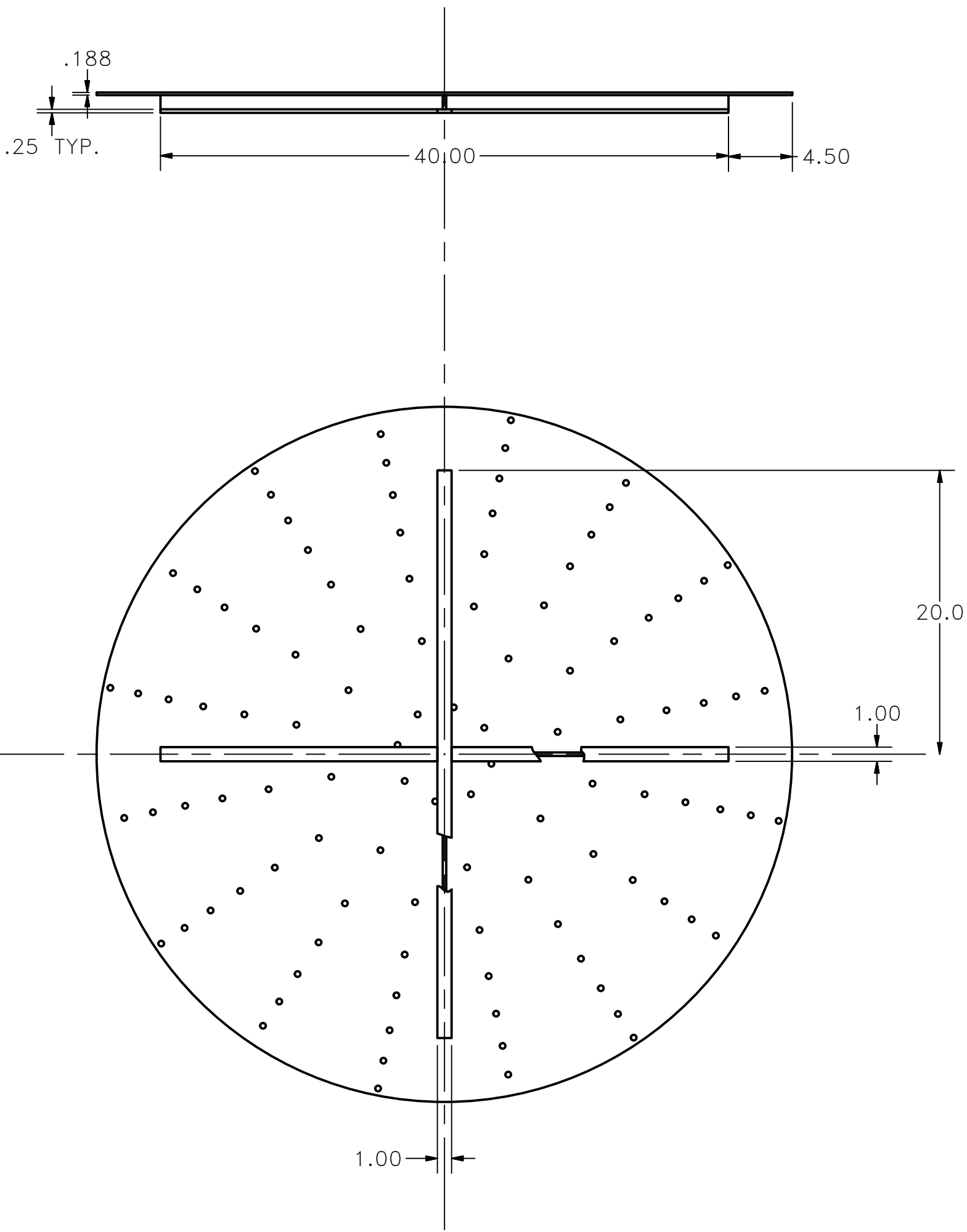
1. SEE GENERAL NOTES ON SHEET 20121601.
2. MEDIA BED FILTER GRID ASSEMBLY SPECIFICATIONS:
  - ALL MATERIAL DUPLEX STAINLESS STEEL 2507 (UNS S32750).
  - MEDIA BED FILTER GRID DIAMETER: 51-7/8" O.D.
  - SLOT SHAPE: #90VEE-WIRE (WEDGE WIRE)  
SLOT SIZE: 0.005" ±0.002"
  - PERIMETER BAND: 2" HIGH X 1/4" THICK
  - SINGLE PIECE CONSTRUCTION
  - BEARING SUPPORT STRENGTH SHOULD BE SIZED FOR 12 PSI  
(GRID SHOULD SUPPORT 12 PSI PRESSURE ON ITS OWN,  
NO MID BEAM SUPPORT WILL BE PROVIDED)
3. MEDIA BED FILTER GRID ASSEMBLY SUGGESTED VENDORS:

HENDRICK SCREEN COMPANY  
OWENSBORO, KY  
MR. WILLIAM FLOWERS  
(270) 685-5138  
willie.flowers@hendrickscreenco.com  
www.hendrickscreenco.com

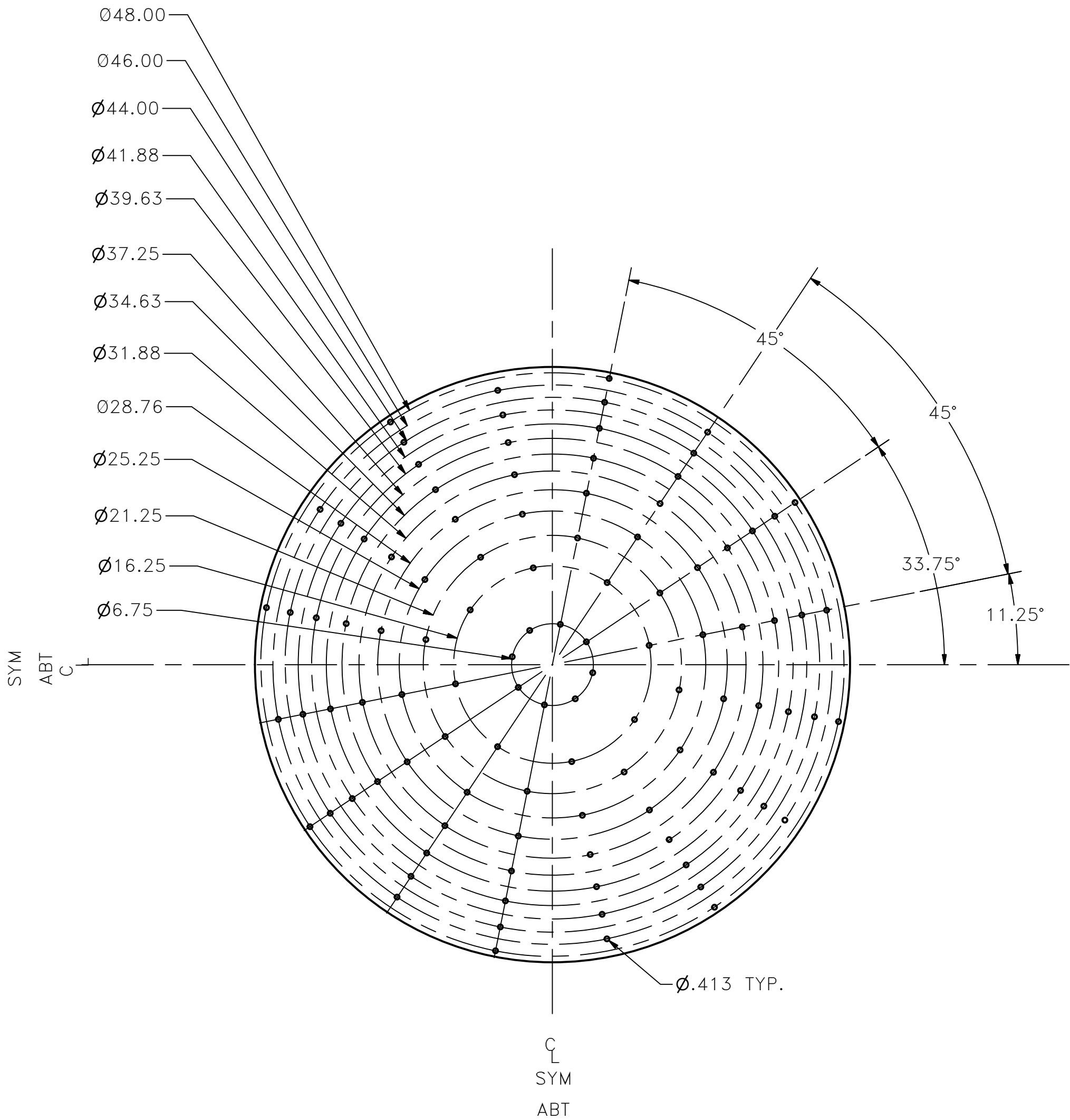
FEDERAL SCREEN PRODUCTS INC.  
MR. GREG COLEMAN  
(905) 677-4171  
greg@federalscreen.com  
www.federalscreen.com

CONCORD SCREEN INC.  
MS. LORRAINE WALL  
(905) 953-8100  
lwall@concordscreen.com  
www.concordscreen.com

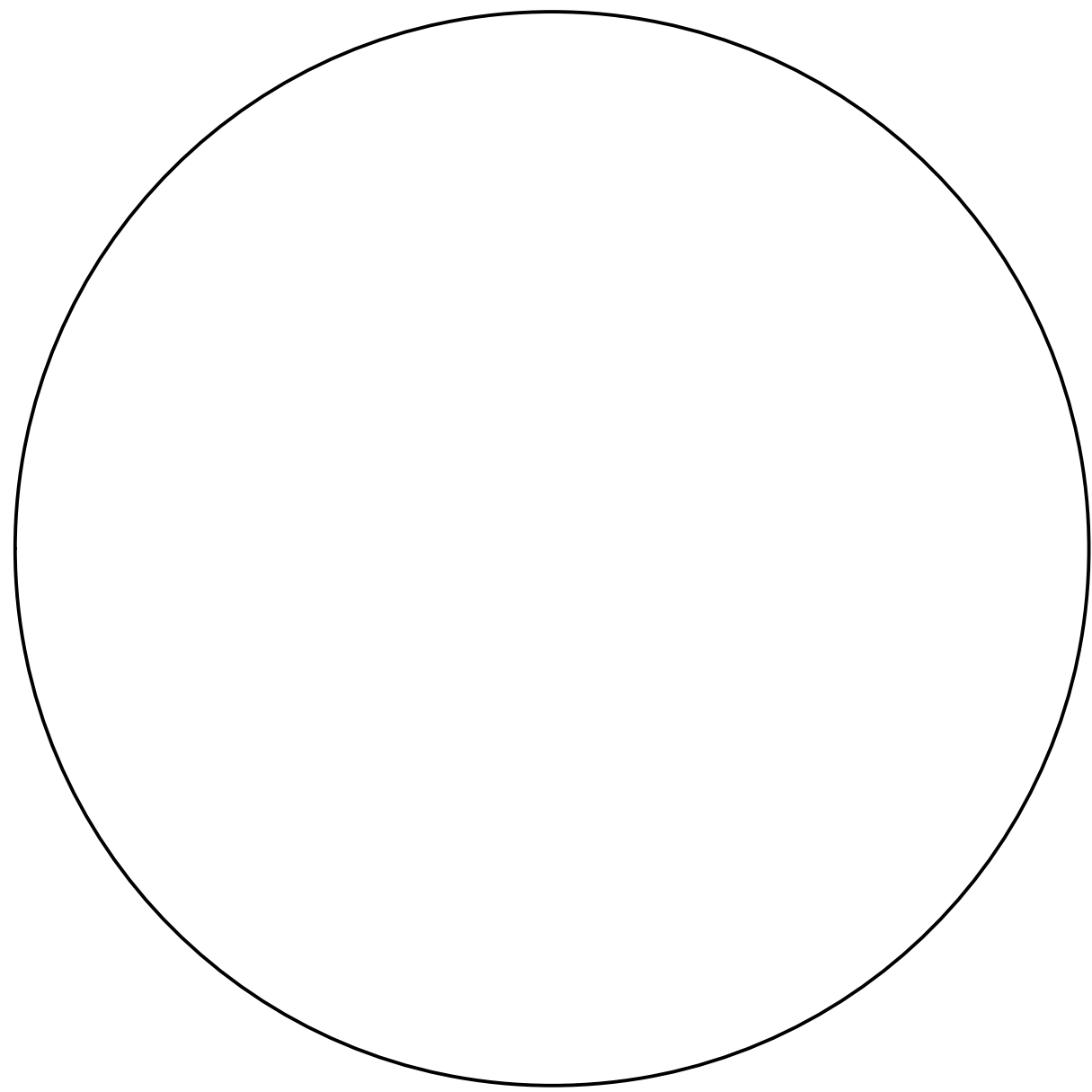
JOHNSON SCREENS(R)  
NEW BRIGHTON, MN  
MS. MEGAN RANGER  
(651) 638-3192  
megan.ranger@bilfinger.com  
www.johnsonscreens.com
4. A THORUGH INSPECTION OF THE MEDIA SUPPORT GRID SHOULD BE PERFORMED BEFORE AND AFTER FABRICATION OF THE FILTER PRESSURE VESSEL. THE MEDIA SUPPORT GRID CONTAINS PRECISELY SLOTTED OPENINGS THAT ARE USED TO RETAIN 0.30 TO 0.40 MM SAND (0.012 TO 0.016 IN). FABRICATION PROCESSES AND WELDING PROCEDURES SHALL NOT AFFECT THE SLOT OPENINGS. BYPASS OF THE MEDIA DOWNSTREAM IS EXTREMELY DETRIMENTAL TO PUMPS, VALVES AND OTHER PROCESS COMPONENTS.
5. GOVERNMENT FURNISHED EQUIPMENT (GFE)



② DIFFUSER ASSEMBLY



② DIFFUSER PLATE

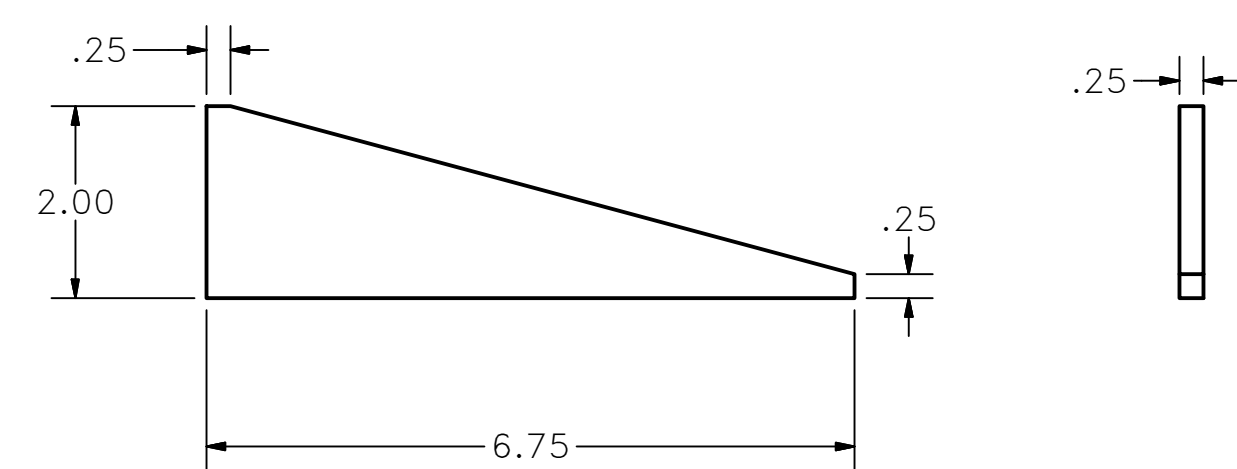


⑥ MEDIA BED FILTER GRID ASSEMBLY

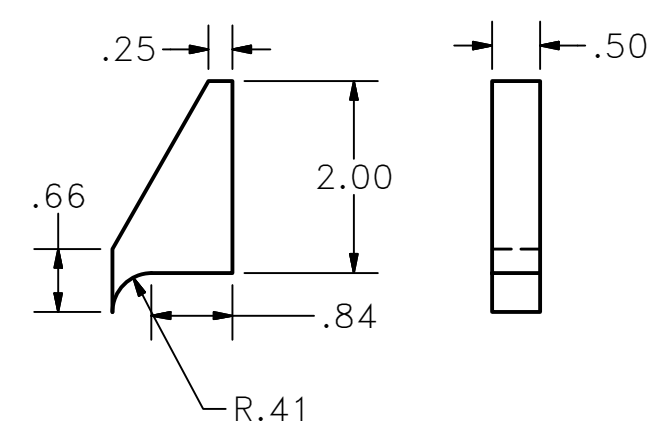
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1	1	20121608-1	MEDIA BED FILTER GRID, DIA. 51-7/8" O.D., #90 VEE-WIRE SLOT, SLOT SIZE 0.005" +/- 0.002", DUPLEX 2507			UNS S32750
QTY	ITE	PART NUMBER	DESCRIPTION	MANUFACTUR	SPEC	MATERIAL

PARTS LIST						
			UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN FEET AND/OR INCHES	PROJ. NO.	NAVFAC DRAWING NO.	
			TOLERANCES:	WESC DWG. NO. 20161608	NAVFAC ENGINEERING SERVICE CENTER	
			.X DECIMALS ±.03	REV.	PORT HUENEME, CALIFORNIA 93045	
			.XX DECIMALS ±.01	CHECKED BY	3K TWPS	
			.XXX DECIMALS ±.005	DESIGNED BY	MEDIA FILTER	
			FRACTIONS ±1/8	MANUFACTURED BY	DIFFUSER & MEDIA BED	
			ANGLES ±1°	FOR CONSTRUCTION		
-2	20121606-1			APPROVED BY	DATE	SIZE
-1	20121606-1			CONSTRUCTION OFFICER	DATE	CODE IDENT NO.
				APPROVED BY	DATE	NAVFAC DRAWING NO.
				FOR CONSTRUCTION	DATE	CONSTRUCTION CONTRACT NO.
				SCALE	SCALE	SHEET # OF #

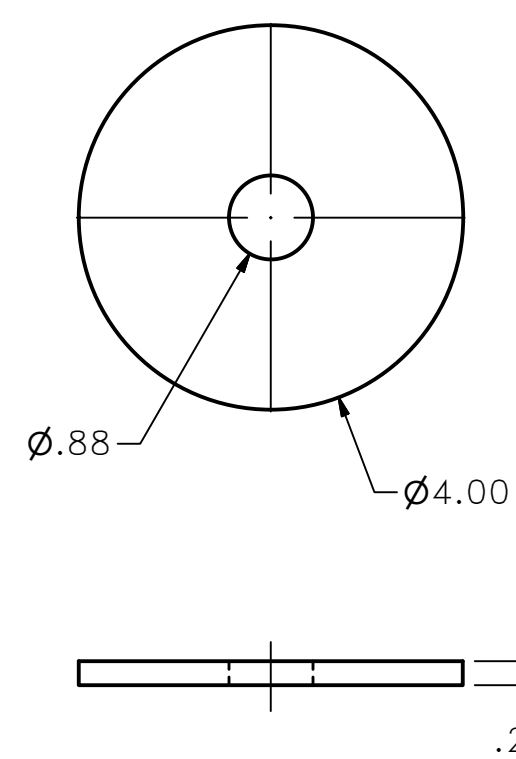




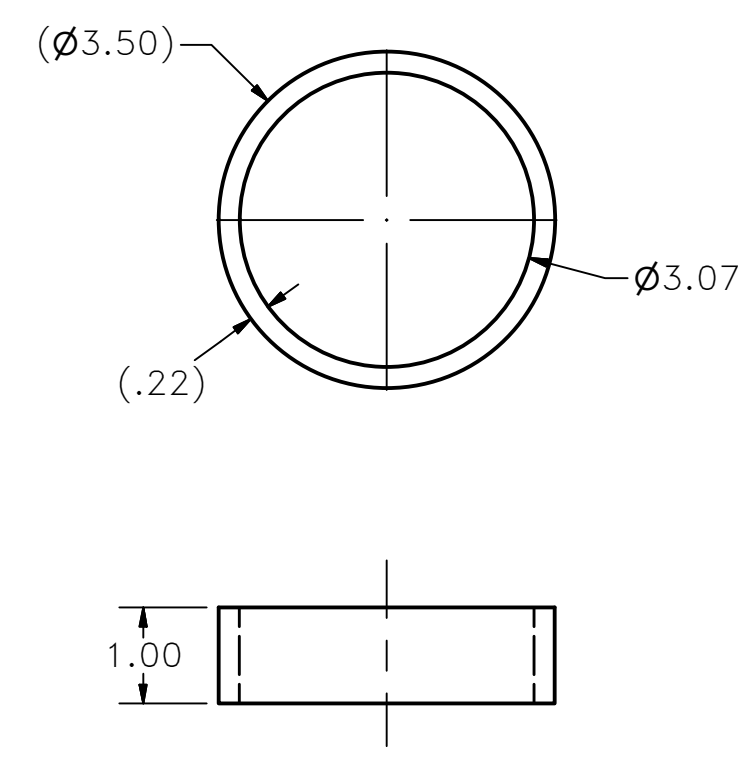
⑤ GUSSET PLATE



⑥ GUSSET PLATE



⑦ PLATE

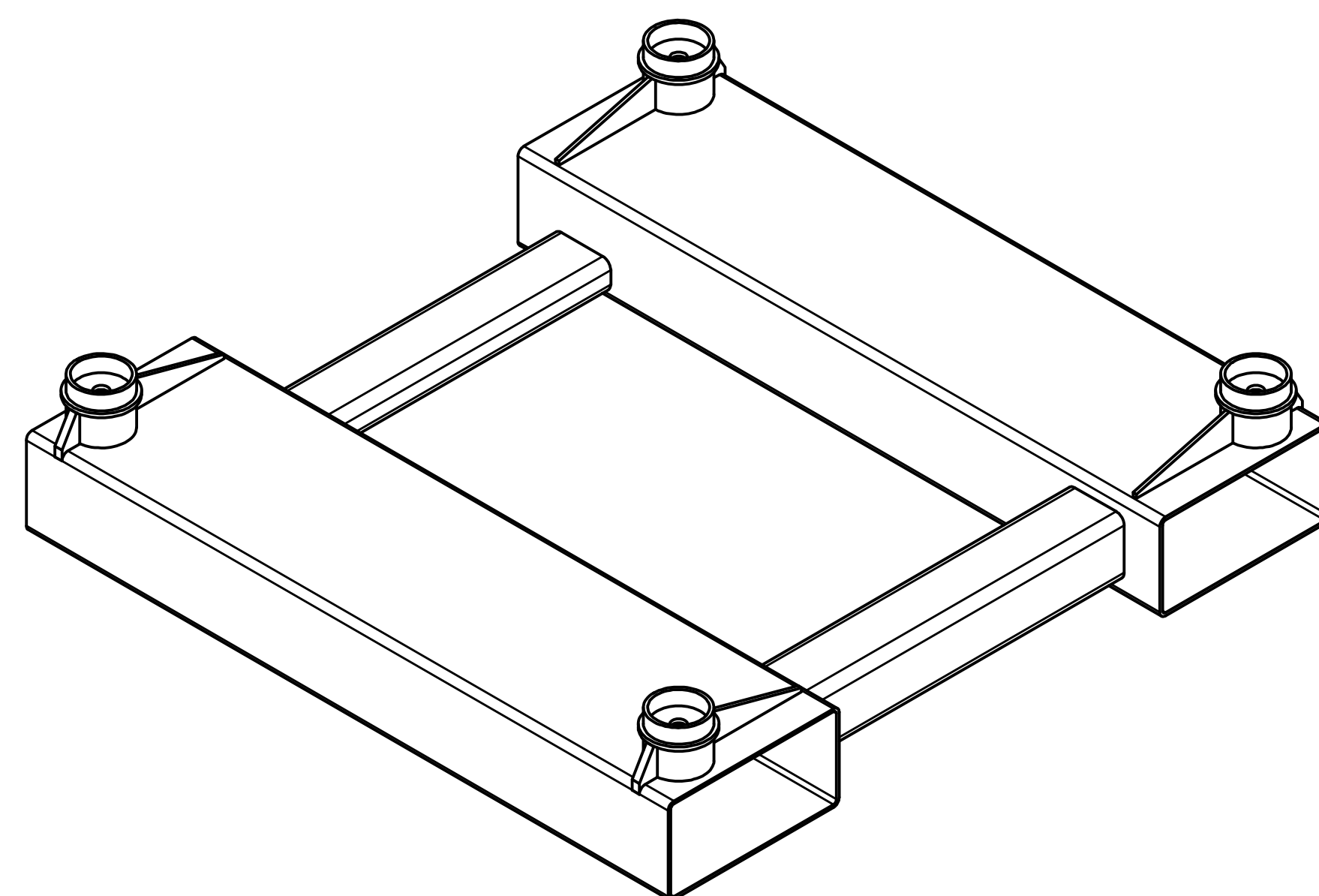
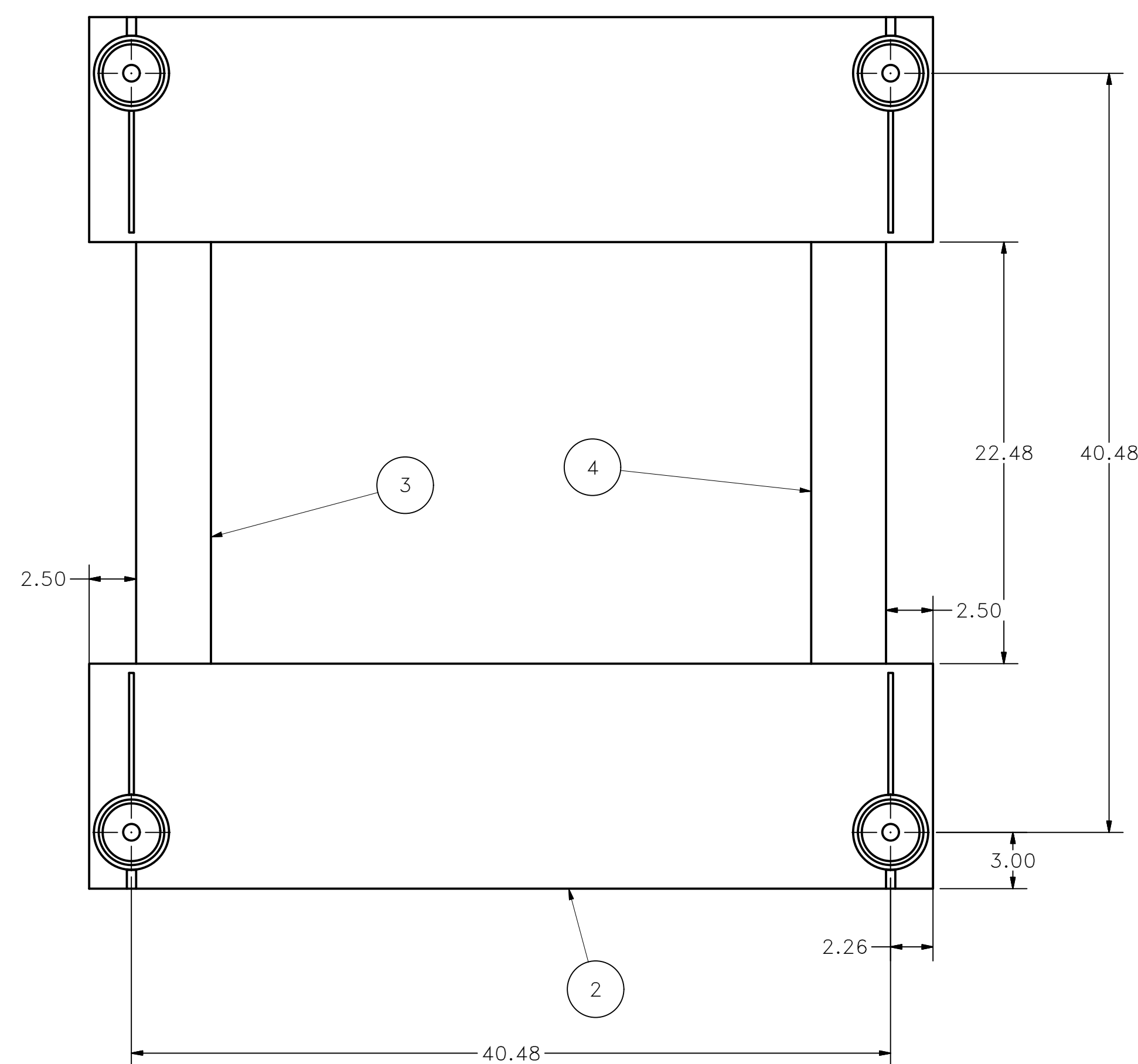


⑧ PIPE, TOP

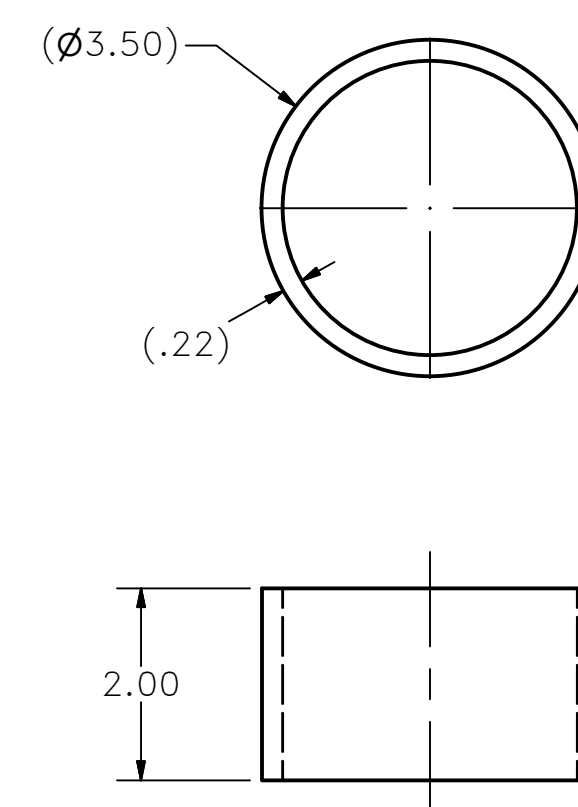
## NOTES

1. SEE GENERAL NOTES ON SHEET 20121601.
2. 3/16 FILLET WELD ALL PIECES.

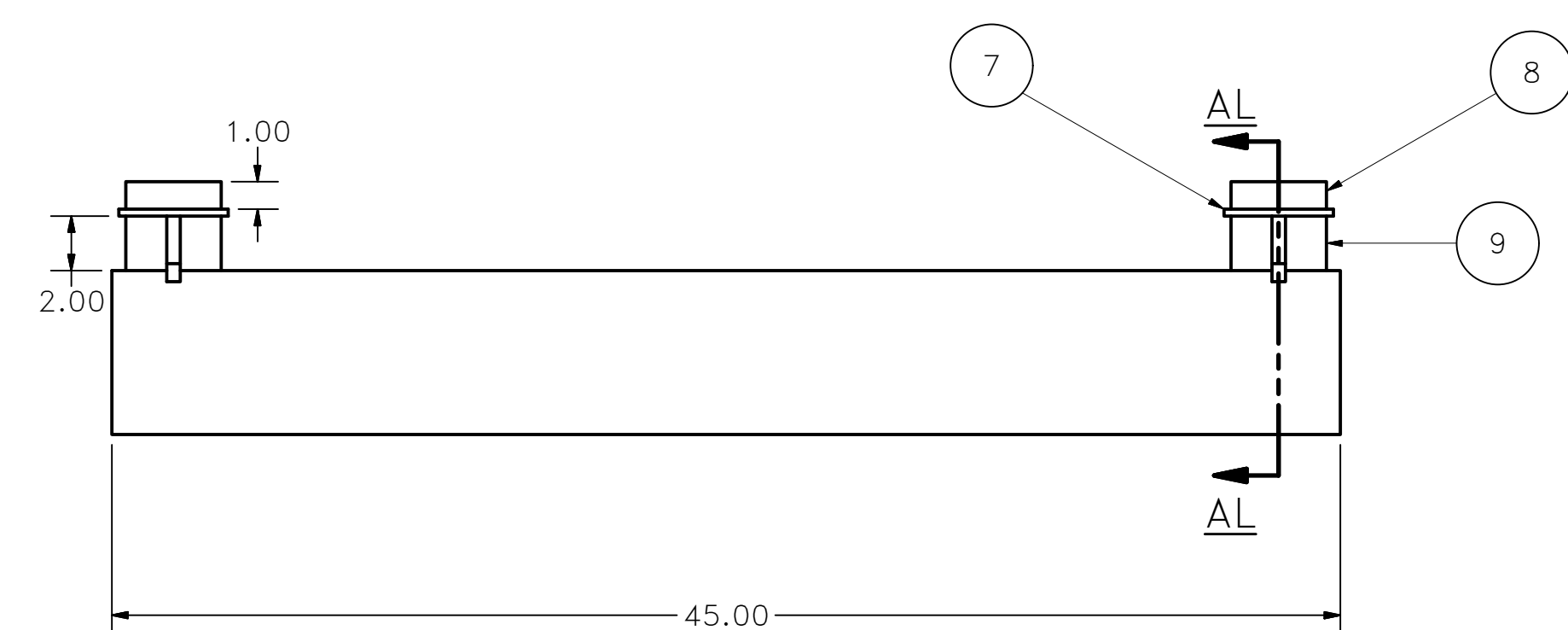
3. HOLE CUT IN RECTANGULAR TUBING TO ALLOW  
INSTALLATION OF SHOCK MOUNT.



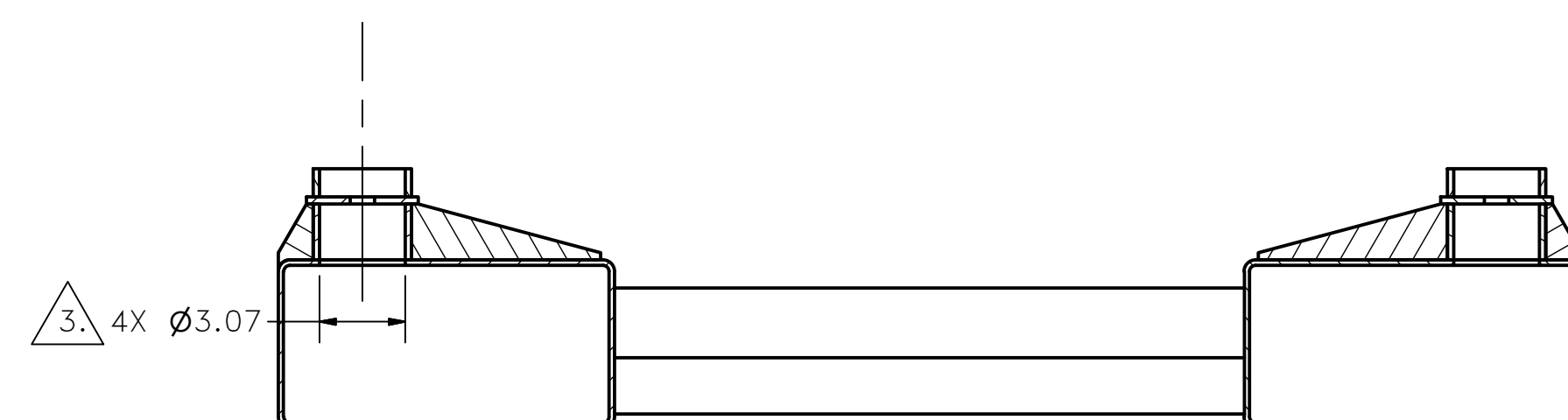
ISOMETRIC VIEW FOR REFERENCE ONLY



⑨ PIPE, BOTTOM



① BASE



SECTION AL-AL  
SCALE 1/6

4	9	20121609-9	3" NPS SCHEDULE 40		ASTM A312	UNS S31603
4	8	20121609-8	3" NPS SCHEDULE 40		ASTM A312	UNS S31603
4	7	20121609-7	1/4" PLATE		ASTM A666	UNS S31603
4	6	20121609-6	1/2" THICK PLATE		ASTM A666	UNS S31603
4	5	20121609-5	1/4" PLATE		ASTM A666	UNS S31603
1	4	20121609-4	4" X 2" X 1/4" WALL HSS		ASTM A276	UNS S31603
1	3	20121609-3	4" X 4" X 1/4" WALL HSS		ASTM A276	UNS S31603
2	2	20121609-2	12" X 6" X 3/16" WALL HSS		ASTM A276	UNS S31600
	1	20121609-1	BASE			
QTY	ITE	PART NUMBER	DESCRIPTION	MANUFACTUR	SPEC	MATERIAL

				PARTS LIST			
		UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN FEET AND/OR INCHES		PROJ. NO. NRES. DWG. NO. <b>20161609</b>		DEPARTMENT OF THE NAVY <b>NAVAL FACILITIES ENGINEERING SERVICE CENTER</b> PORT HUENEME, CALIFORNIA 93043	
		TOLERANCES:		DES. CONSTRUCTION FINISHES MATERIALS COATINGS PAINTS FABRICATIONS ETC.		3K TWPS <b>MEDIA FILTER</b> BASE	
		.X DECIMALS ±.03					
		.XX DECIMALS ±.01					
		.XXX DECIMALS ±.005					
-1		20121602-1		PARTIAL QUANTITY		SIZE <b>80091</b>	
		FRACTIONS ±1/8		DRAWING OFFICER CHECKED DATE		NAVFAC DRAWING NO. CONSTRUCTION CONTRACT NO.	
PART NO. NO.		NEXT ASSY. ±1"		FOR CHANGEMAN, NAVFAC		SCALE: NONE SHEET 9 OF 10	
		ANGLES					

